

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2992 - L2 Version 001  
Chandra X-Ray Center

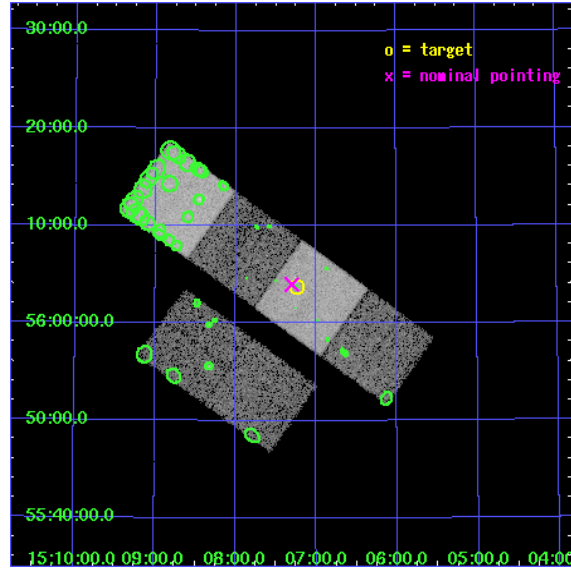
L2 Processing Date : Oct 15 2006

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# 1 Front

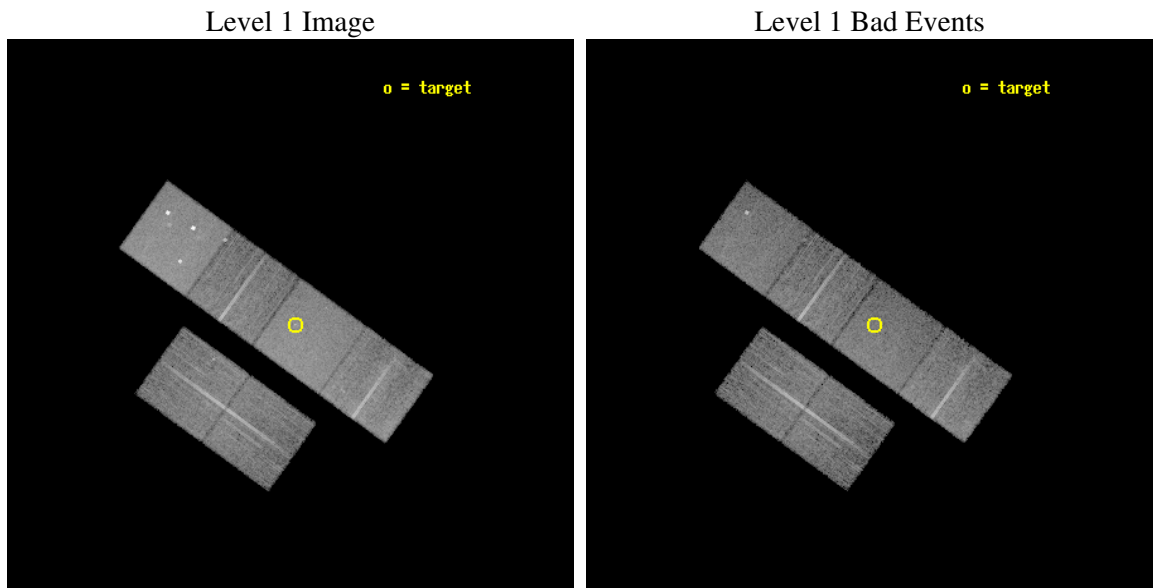
seq_num	700431
obs_id	2992
title	CHANDRA OBSERVATIONS OF A POPULATION OF TYPE 2 QUASARS DISCOVERED IN THE DPOSS
observer	PROF. S. DJORGOVSKI
object	PSS 1507+5603
dtcycle	0
cycle	P
ra_targ	226.81
dec_targ	56.062222
ra_nom	226.82559351172
dec_nom	56.066390064269
roll_nom	35.817748839406
revision	2
ontime	14908.79994446
livetime	14720.015742562
ontime2	14908.79994446
ontime3	14908.79994446
ontime5	14908.79994446
ontime6	14908.79994446
ontime7	14908.79994446
ontime8	14908.79994446
l2events	136003



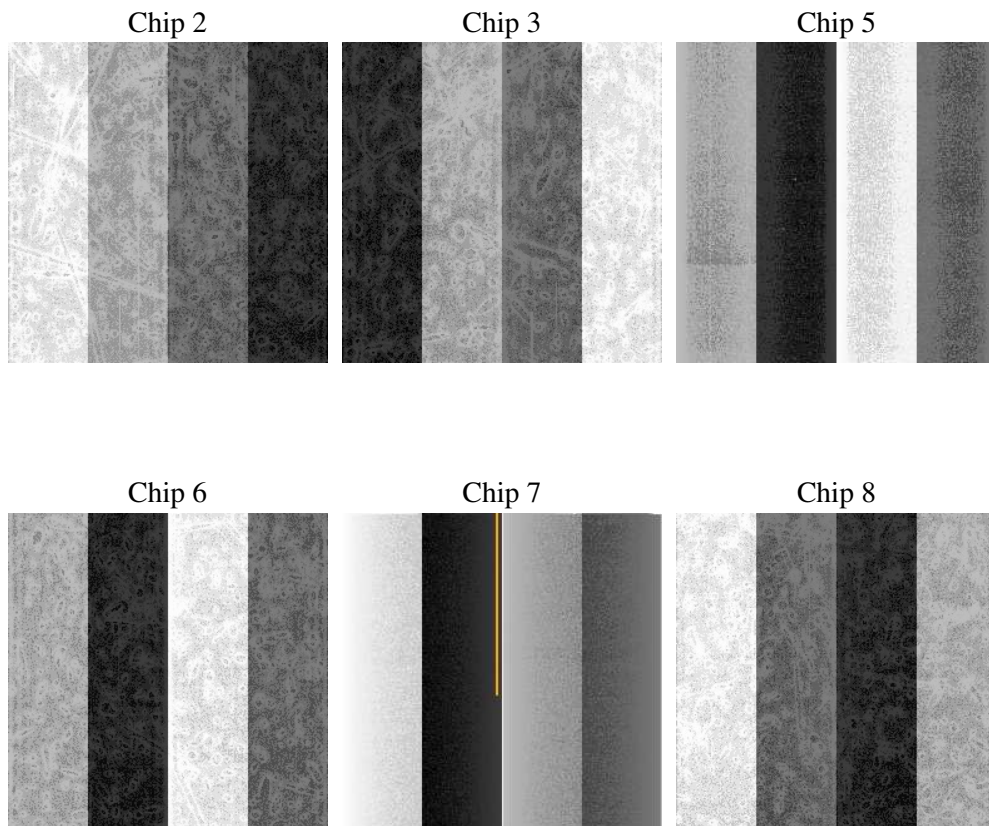
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-15T03:57:29
revision	2

sched_exp_time	14888.000000
ontime	14915.091062635
ontime2	14915.091032714
ontime3	14915.091062635
ontime5	14915.091062635
ontime6	14915.091062635
ontime7	14915.091062635
ontime8	14915.091062635
l1events	630700

### 2.1.4 Events

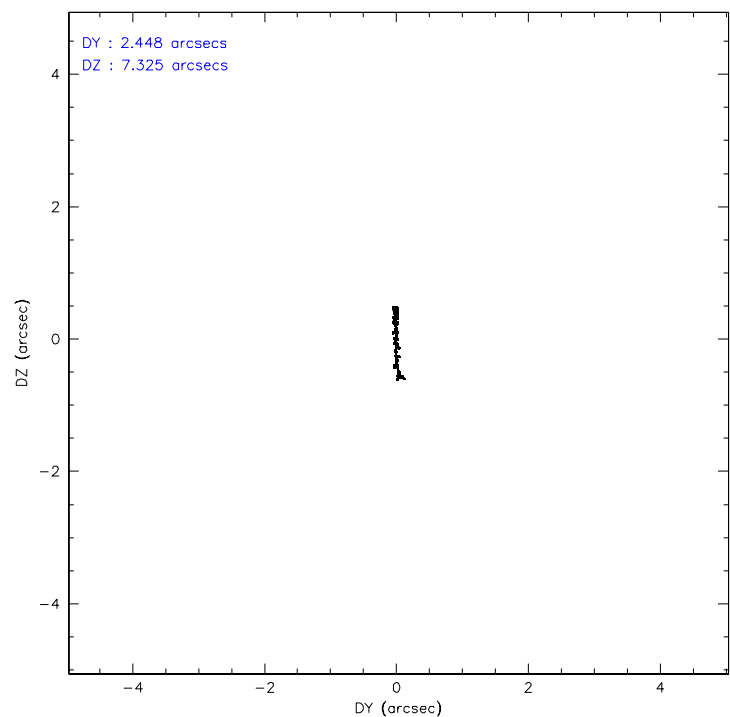
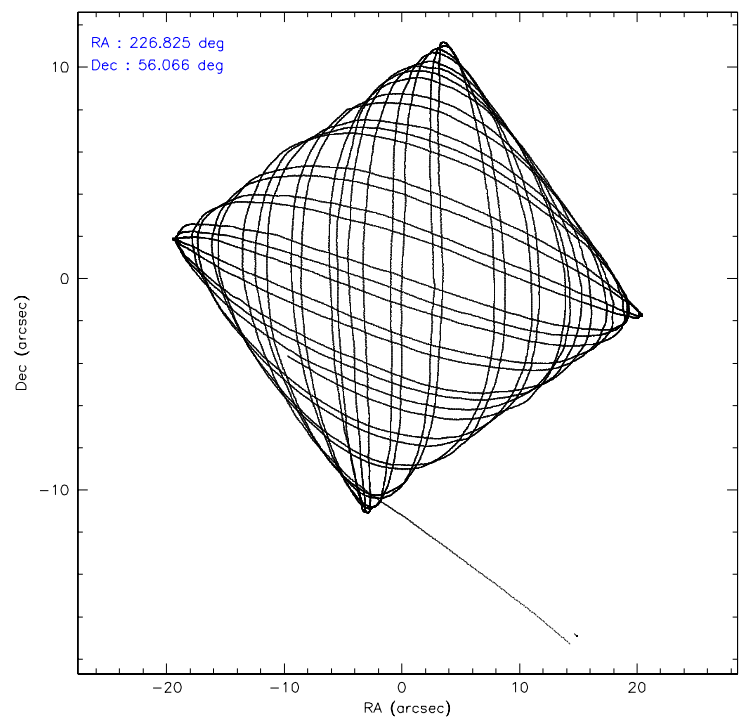
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	91020	84714	136851	87736	119278	111101
rejected events	80397	74526	73623	77208	73811	88078
rejected %	88%	87%	53%	88%	61%	79%

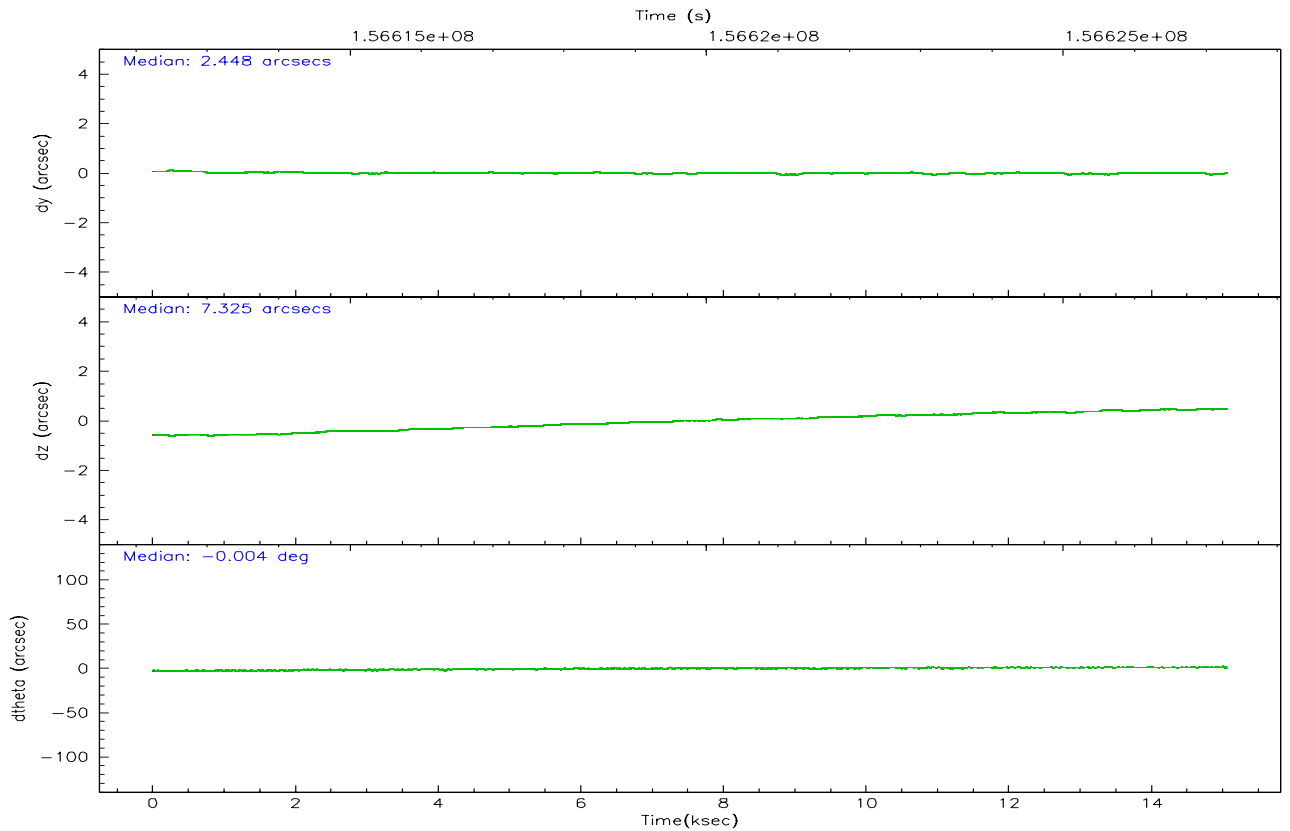
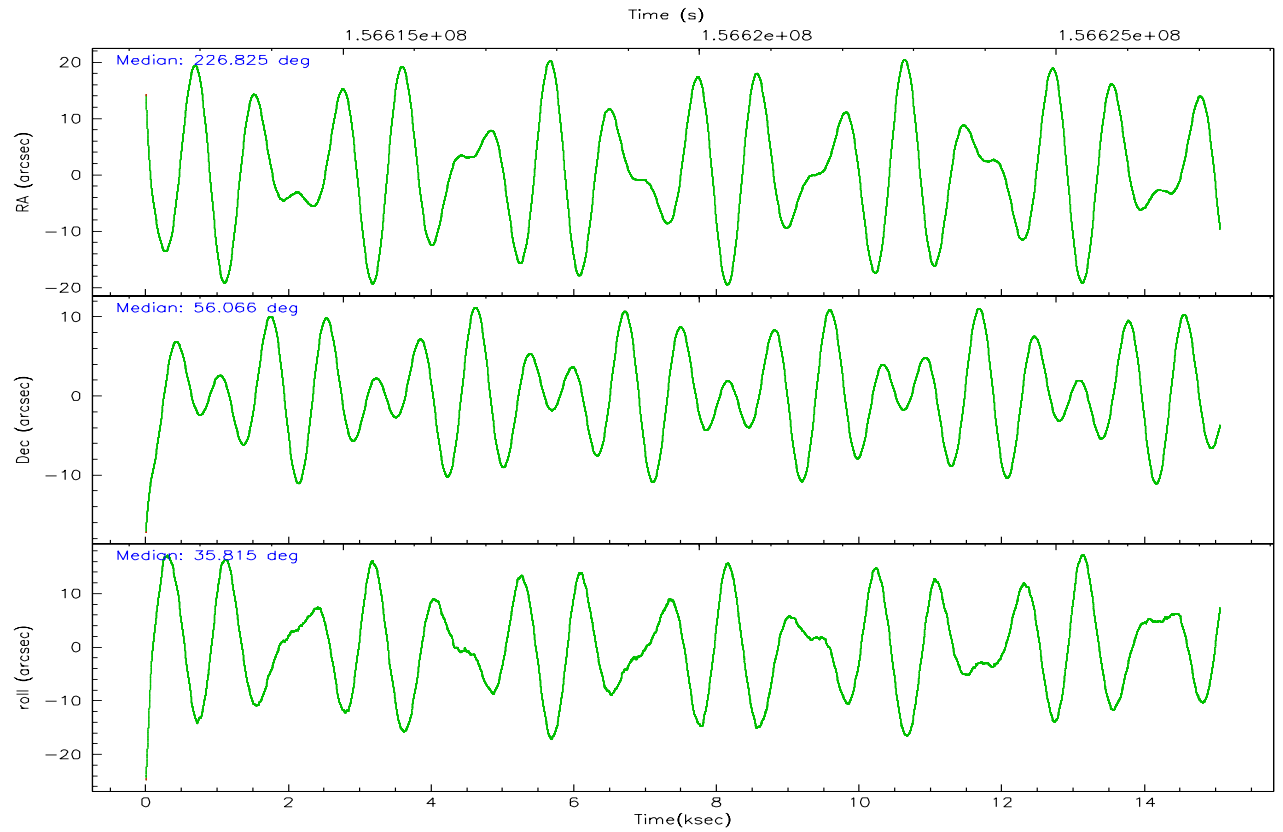
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4980	4500	9367	4163	2955	7258
	5%	5%	6%	4%	2%	6%
grade 1 events	58	38	177	49	76	82
	0%	0%	0%	0%	0%	0%
grade 2 events	2020	1841	18605	2109	11024	5047
	2%	2%	13%	2%	9%	4%
grade 3 events	972	1013	1452	1037	2332	2514
	1%	1%	1%	1%	1%	2%
grade 4 events	972	1054	1227	1039	2309	2335
	1%	1%	0%	1%	1%	2%
grade 5 events	3477	3538	6336	3898	7883	5063
	3%	4%	4%	4%	6%	4%
grade 6 events	1683	1783	32600	2185	26865	5874
	1%	2%	23%	2%	22%	5%
grade 7 events	76858	70947	67087	73256	65834	82928
	84%	83%	49%	83%	55%	74%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	226.806235	226.8255935117226	Subarray requested	NONE	NONE
Pointing Dec	56.041422	56.06639006426861	Alternating exposures requested	N	N
Pointing Roll	35.677181	35.81774883940615	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	156612414.184000	156611422.91903			
Observation start date	2002-12-18T15:25:50	2002-12-18T15:10:22			
Observation end time	156627302.184000	156627951.55722			
Observation end date	2002-12-18T19:33:58	2002-12-18T19:45:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect





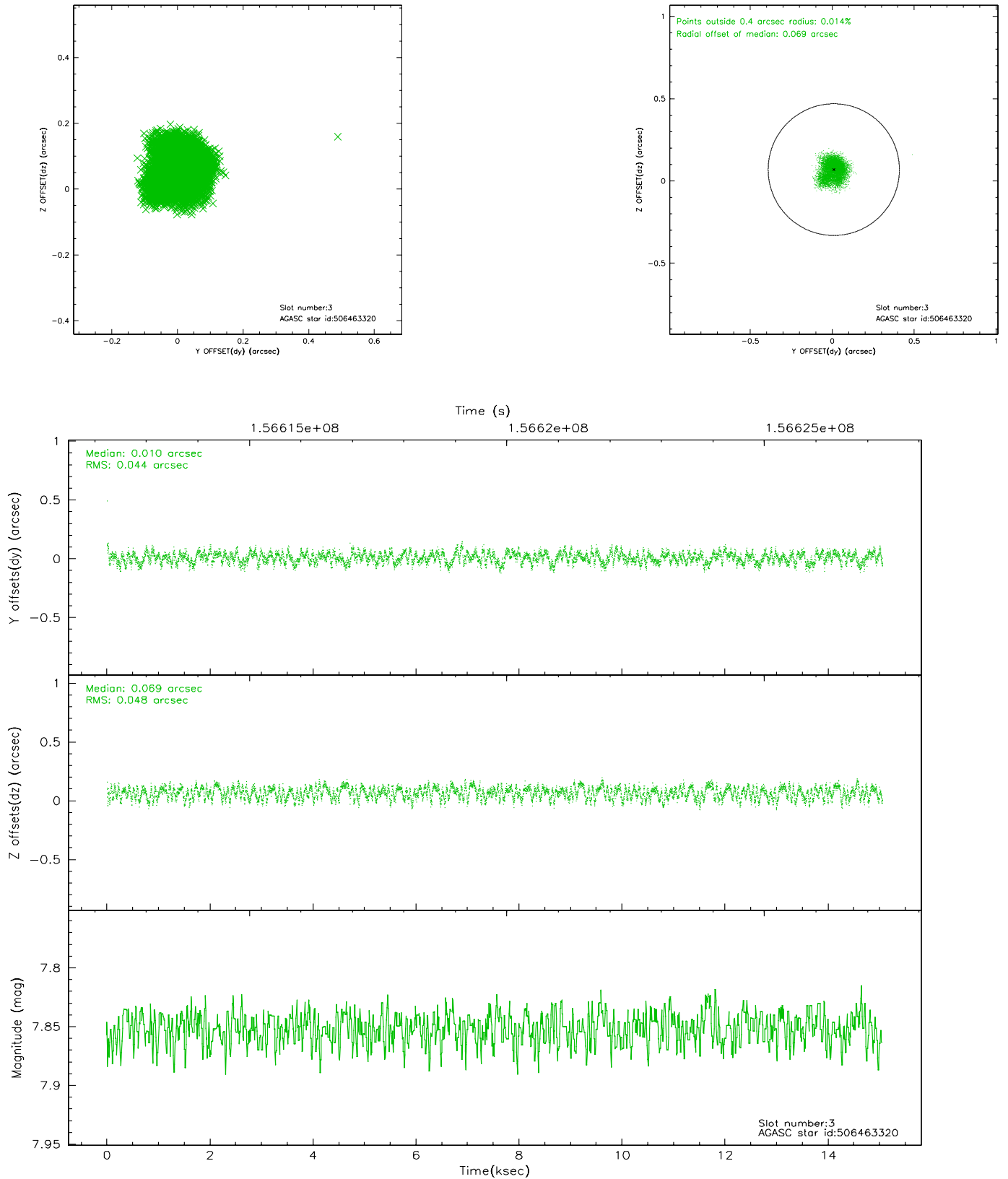
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3673	-0.009	0.022	0.011	0.016	0.000000	0.000000	-755.09	-1728.44
1	FID	ACIS-S-4	7.20	3670	-0.055	-0.001	0.008	0.013	0.000000	0.000000	2158.01	179.70
2	FID	ACIS-S-5	7.24	3673	0.034	-0.012	0.007	0.013	0.000000	0.000000	-1807.50	173.71
3	GUIDE	506463320	7.85	7345	0.010	0.069	0.070	0.108	226.349027	55.677313	-1515.71	-521.26
4	GUIDE	506465016	9.01	7342	0.033	-0.196	0.068	0.112	226.333651	55.890654	-1089.07	117.41
5	GUIDE	507380816	9.00	7341	0.000	0.147	0.095	0.151	226.866183	55.265818	-1527.75	-2339.92
6	GUIDE	507382888	8.33	7343	0.020	0.079	0.068	0.112	227.987228	56.025159	1908.38	-1417.18
7	GUIDE	507387168	9.61	7332	-0.059	-0.101	0.089	0.148	226.927533	56.702730	1584.35	1793.63

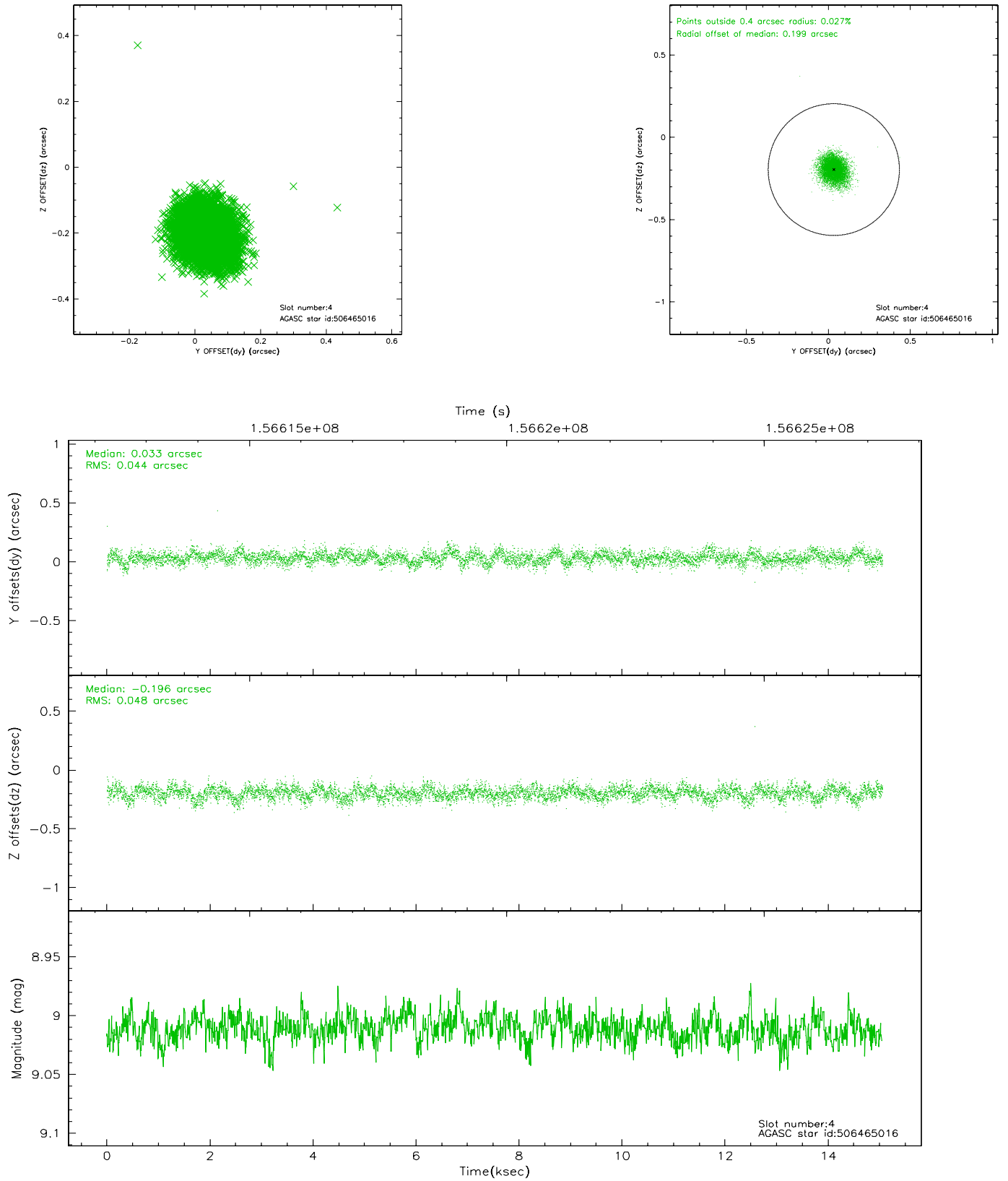


## 2.4 Star Slots

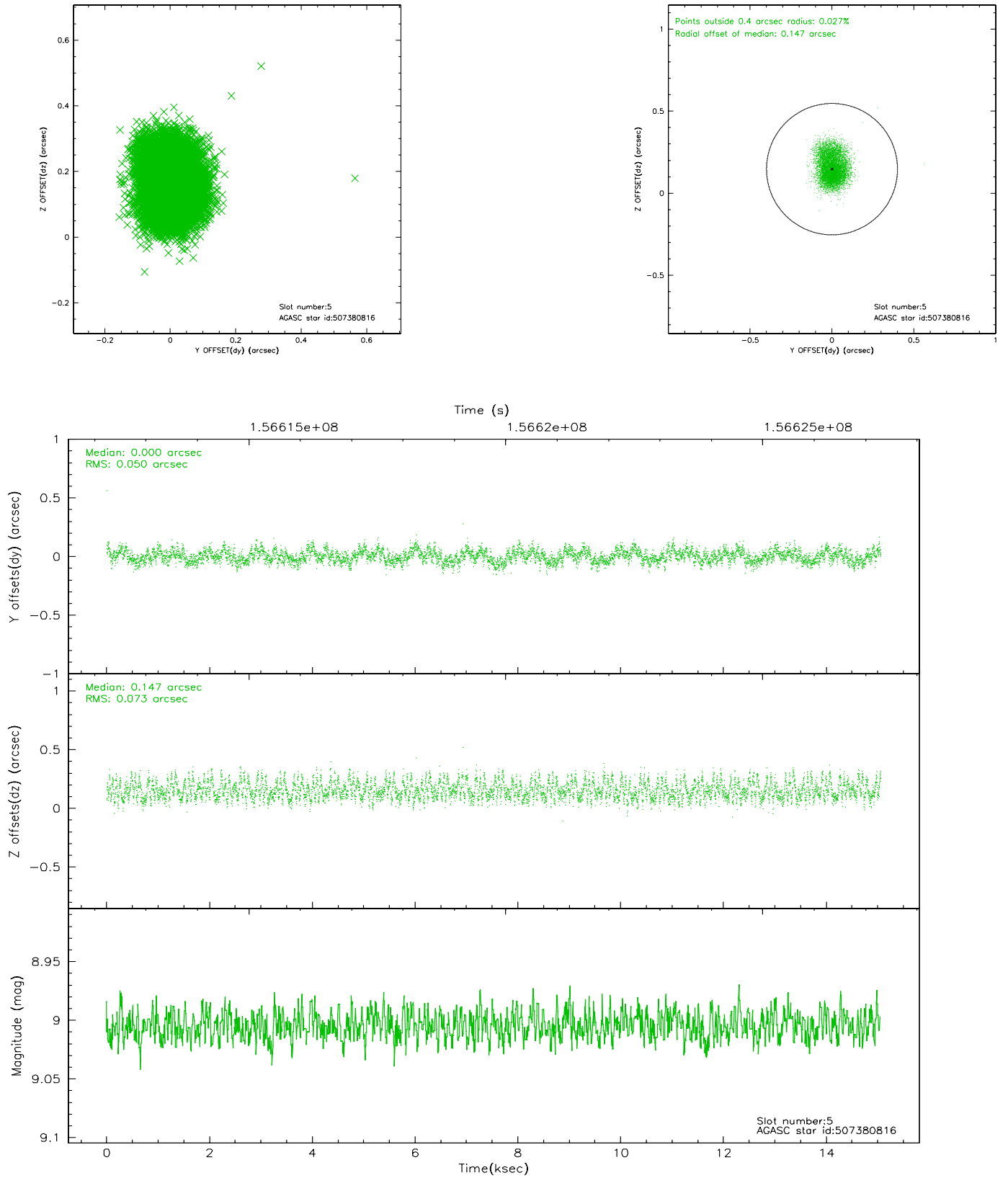
### 2.4.1 Slot 3



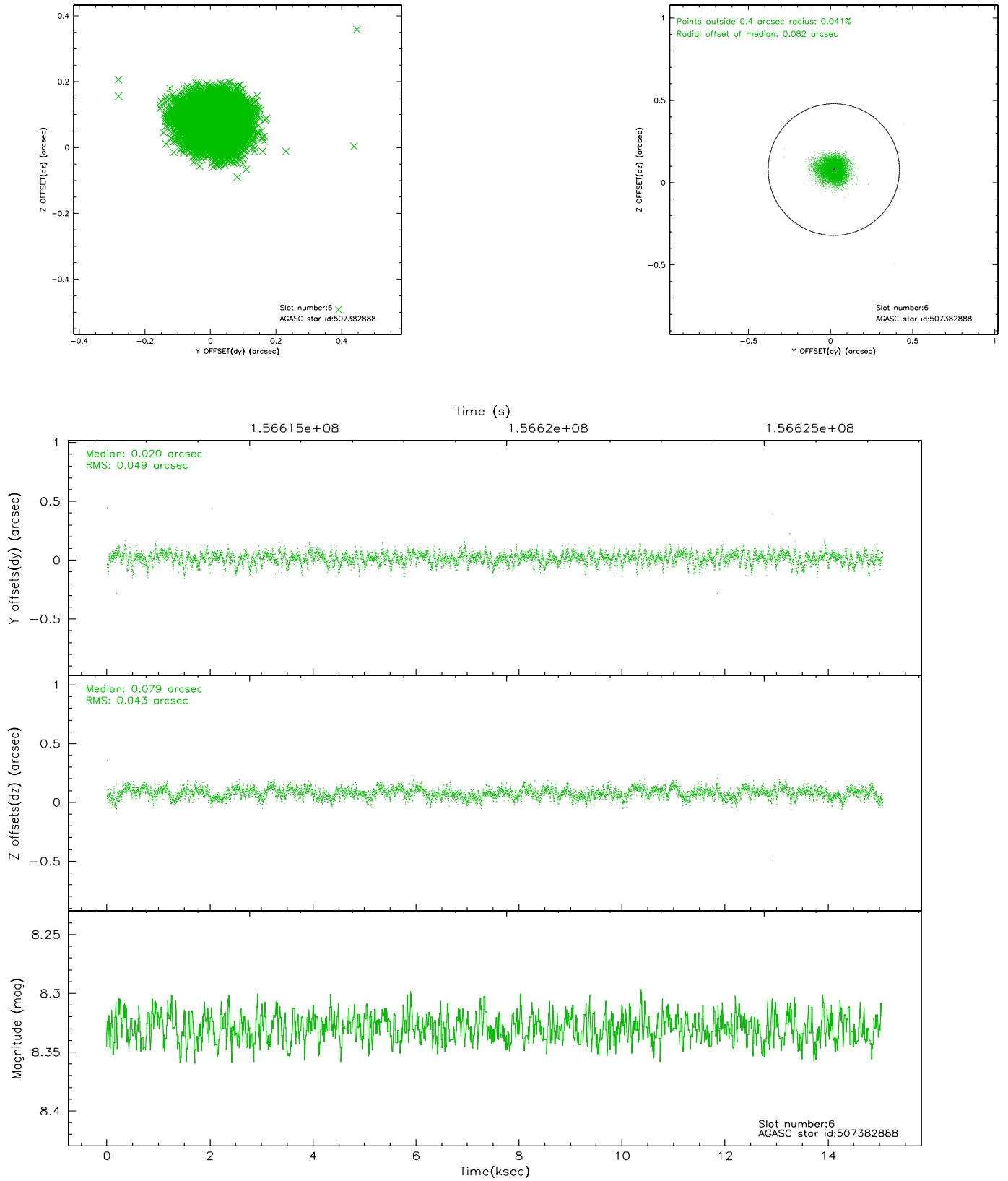
## 2.4.2 Slot 4



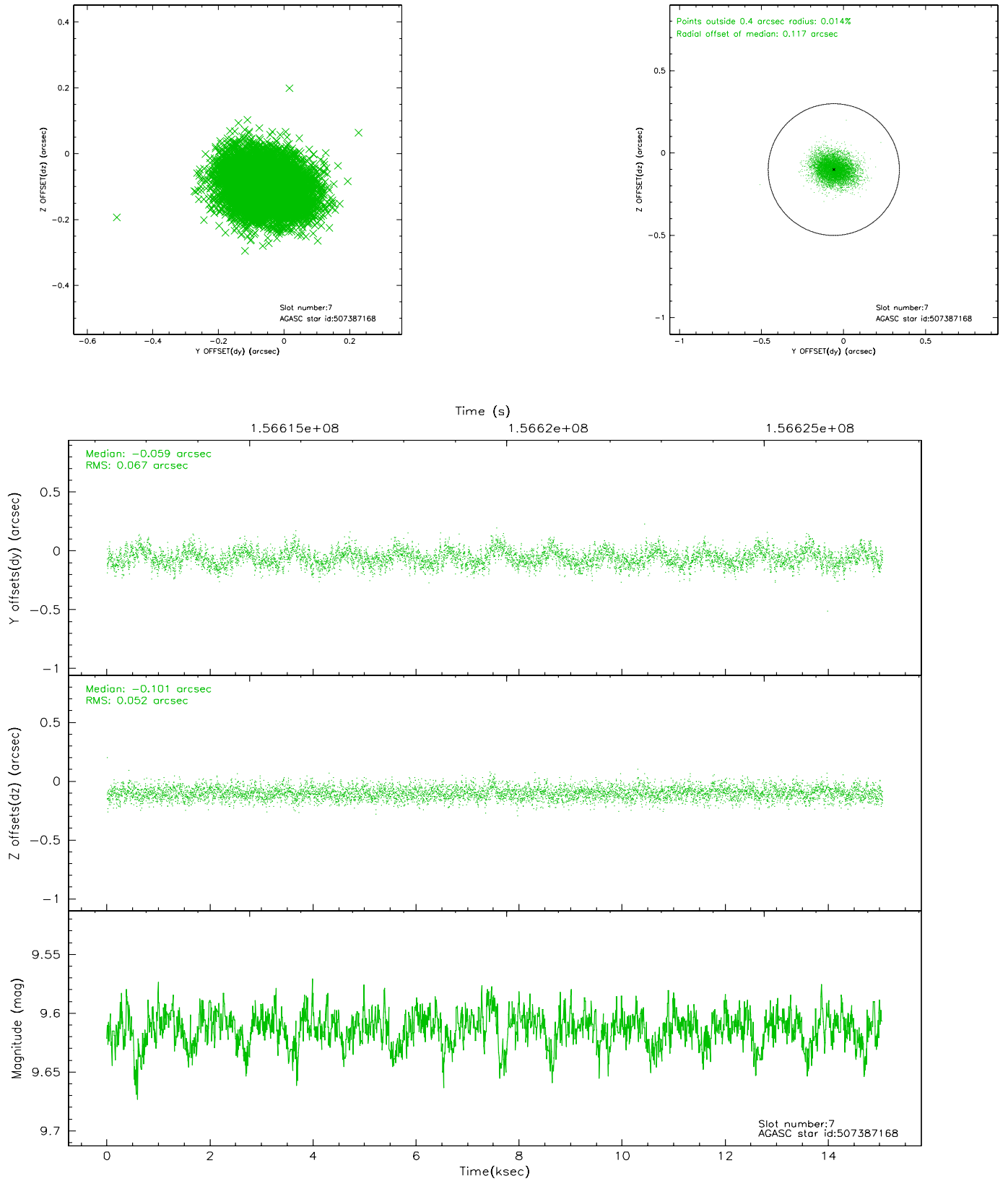
### 2.4.3 Slot 5



## 2.4.4 Slot 6

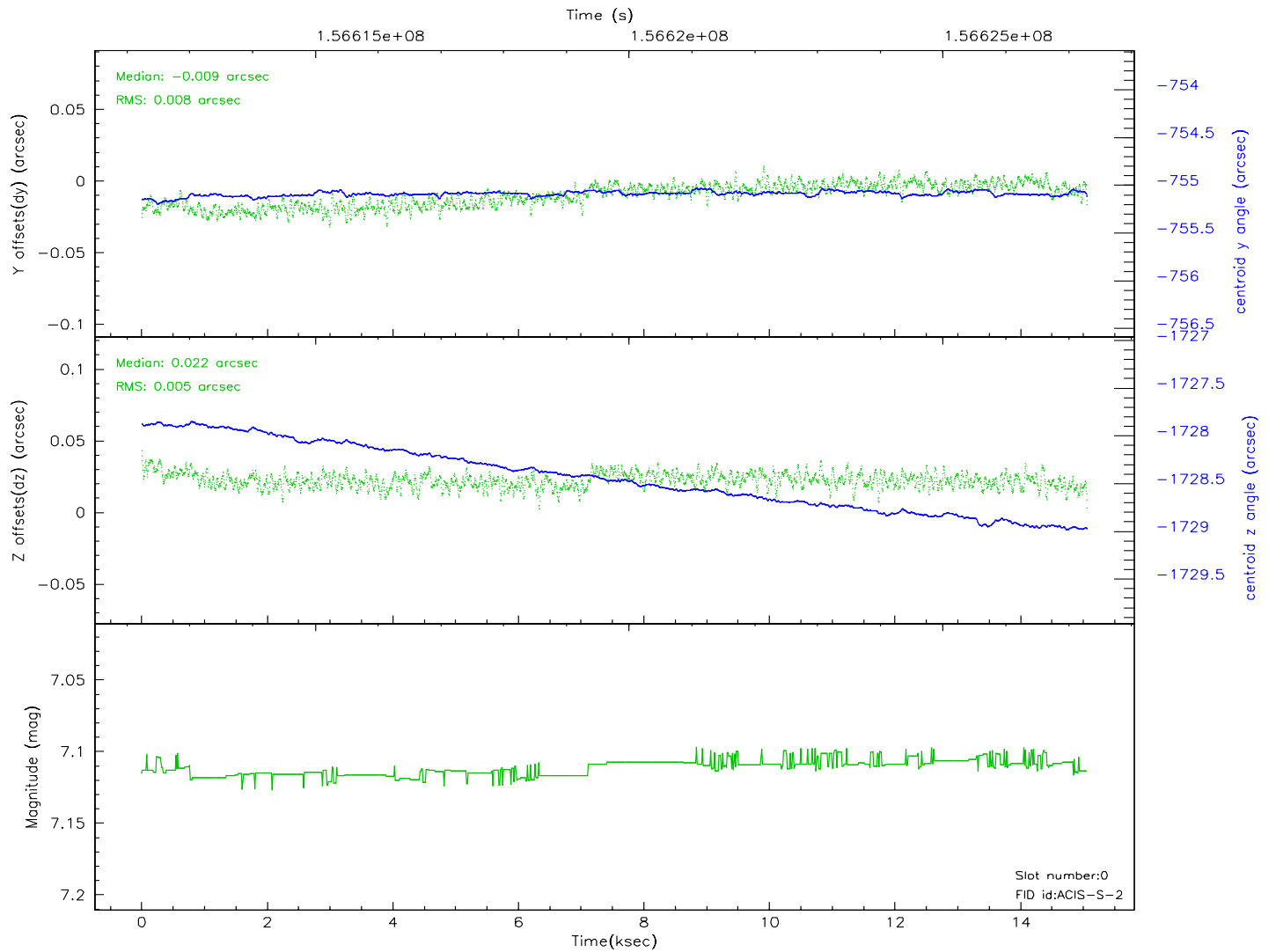
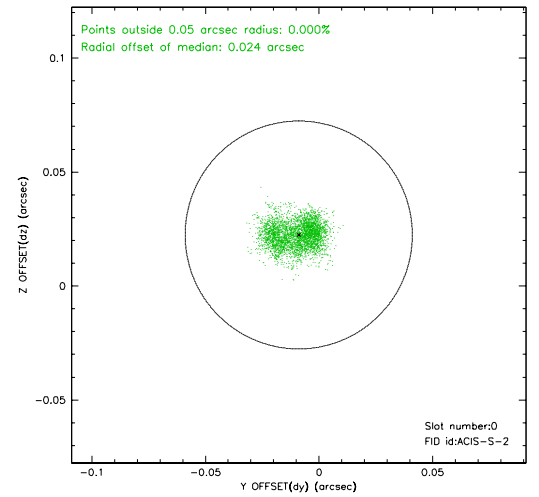
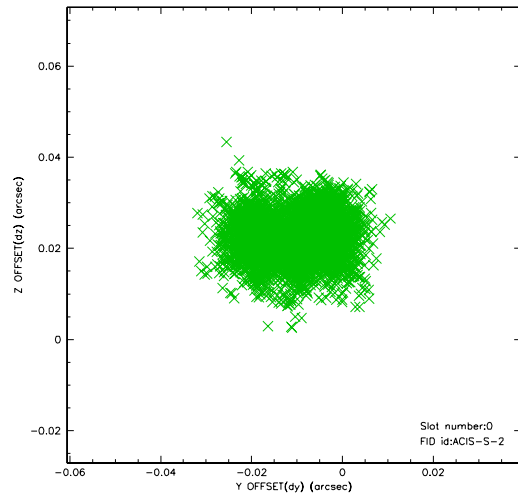


## 2.4.5 Slot 7

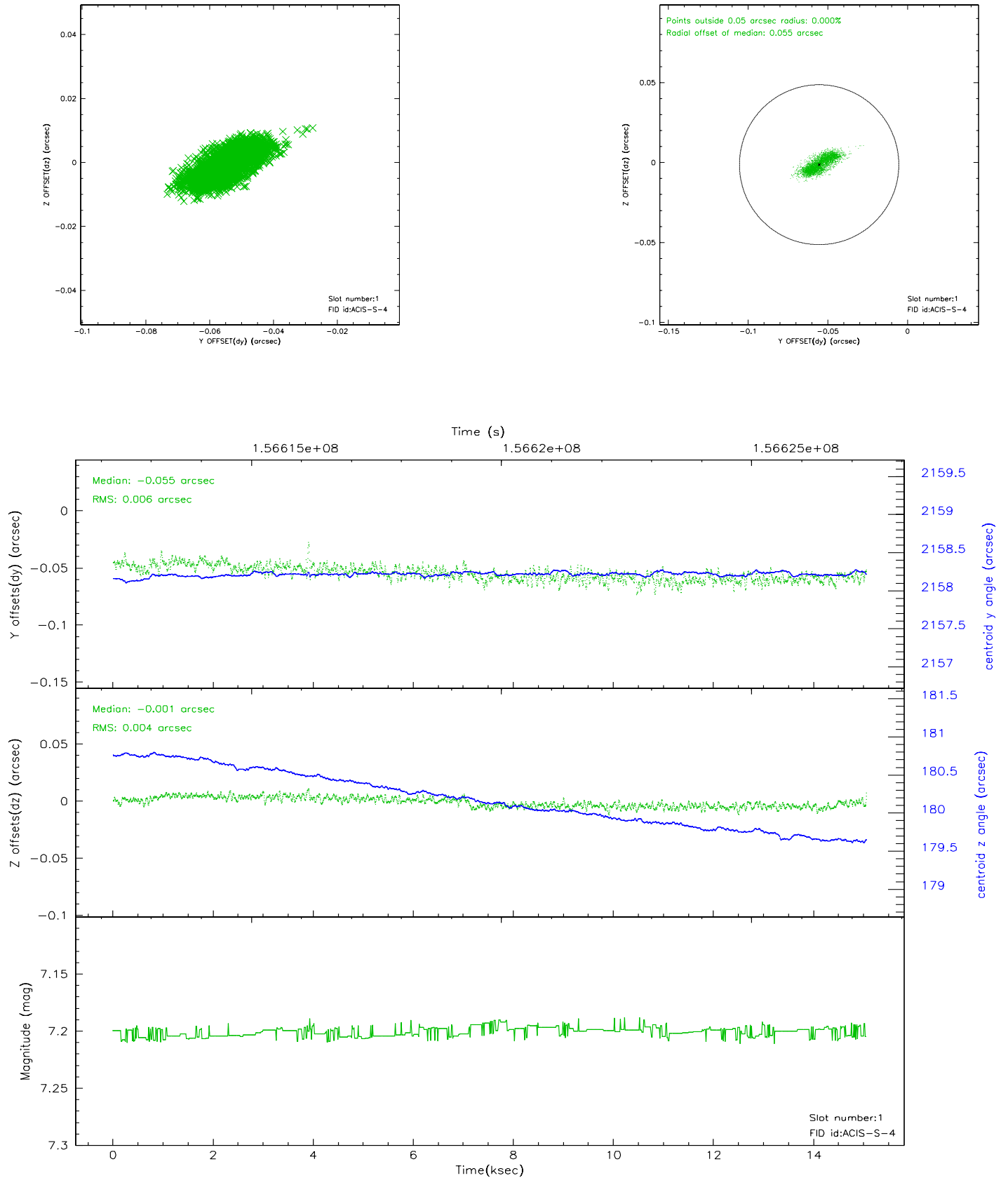


## 2.5 FID Slots

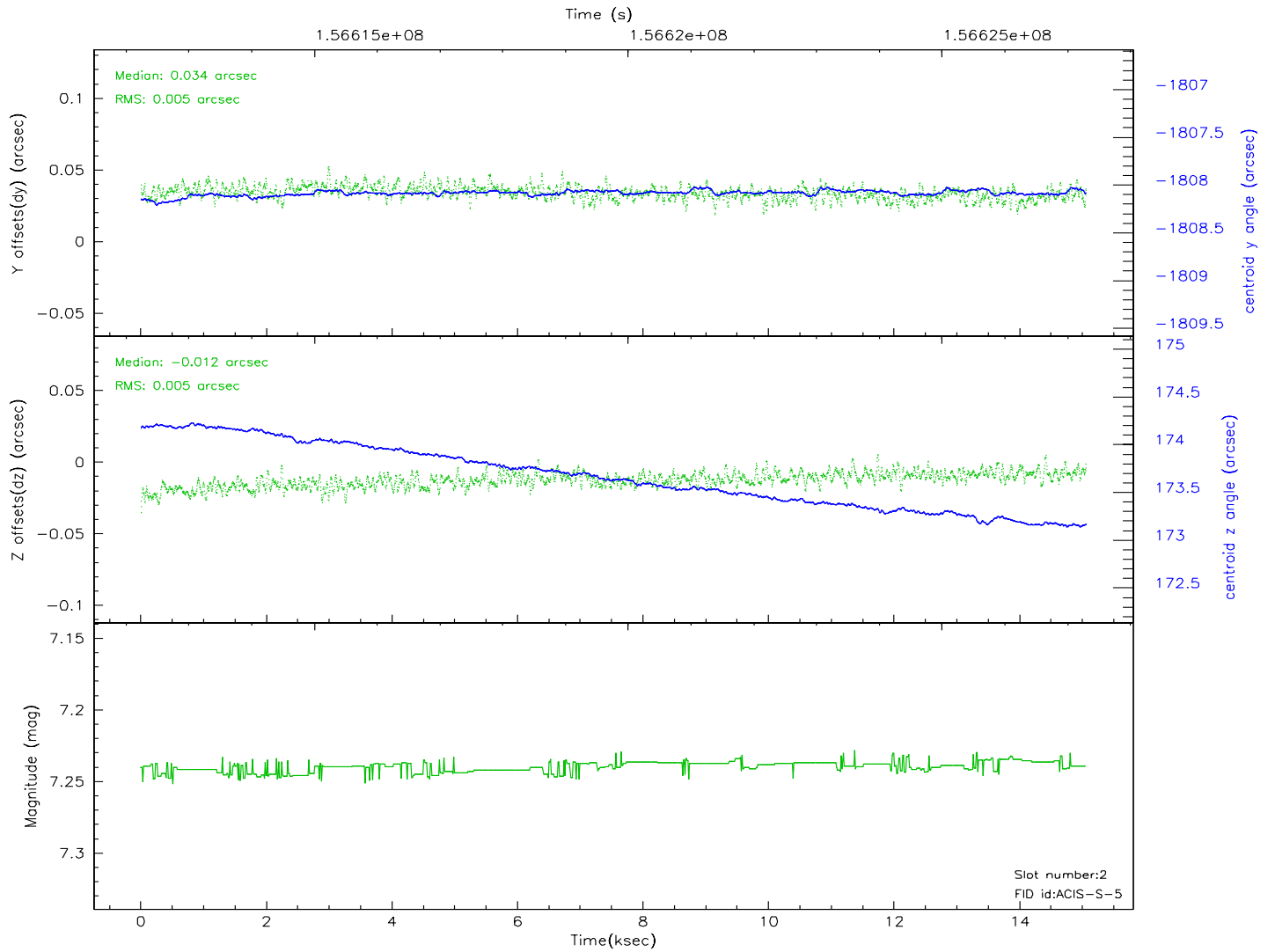
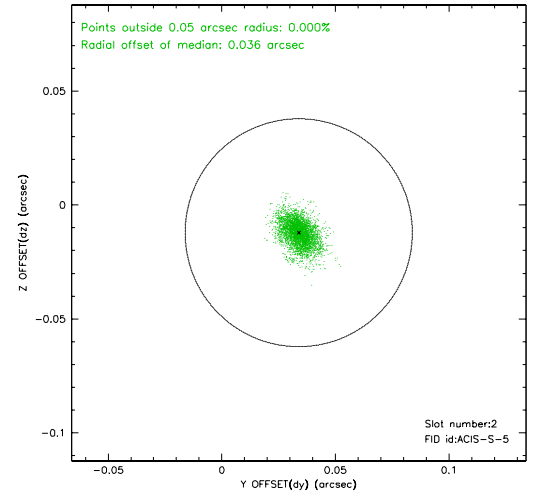
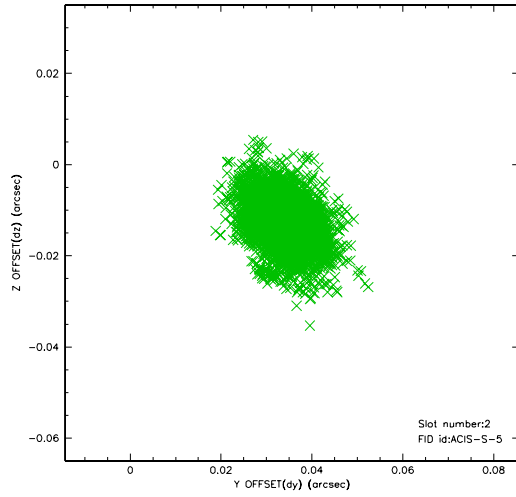
### 2.5.1 Slot 0



## 2.5.2 Slot 1

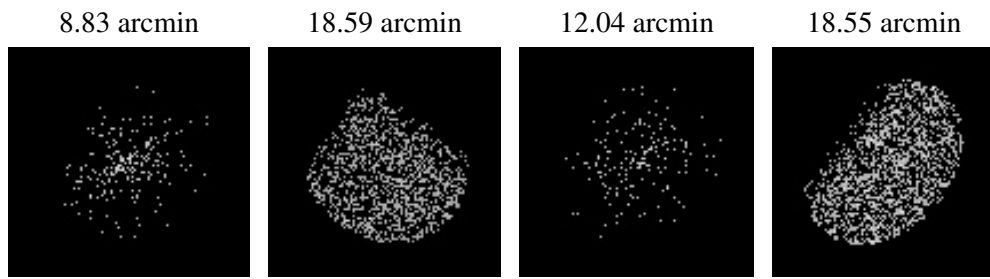


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.911

### A.2 Comments